

1 1. An isolated polynucleotide, comprising a nucleic acid sequence selected from the group
2 consisting of:

- 3 a) a polynucleotide of an odd SEQ ID NO. 1-15, 21-27, 31-51, or of a human cDNA of
4 a deposited clone, encoding at least any single integer from 6 to 776 amino acids of
5 any one even SEQ ID NO. 2-16, 22-28, 32-52,
- 6 b) a polynucleotide of an odd SEQ ID NO. 1-15, 21-27, 31-51, or of a human cDNA of
7 a deposited clone, encoding the signal peptide sequence of any one even SEQ ID
8 NO. 2-16, 22-28, 32-52,
- 9 c) a polynucleotide of an odd SEQ ID NO. 1-15, 21-27, 31-51, or of a human cDNA of
10 a deposited clone, encoding a mature polypeptide sequence of any one even SEQ ID
11 NO. 2-16, 22-28, 32-52,
- 12 d) a polynucleotide of an odd SEQ ID NO. 1-15, 21-27, 31-51, or of a human cDNA of
13 a deposited clone, encoding a full length polypeptide sequence of any one even SEQ
14 ID NO. 2-16, 22-28, 32-52,
- 15 e) a polynucleotide of an odd SEQ ID NO. 1-15, 21-27, 31-51, or of a human cDNA of
16 a deposited clone, encoding a polypeptide sequence of a biologically active
17 fragment of any one even SEQ ID NO. 2-16, 22-28, 32-52,
- 18 f) a polynucleotide encoding a polypeptide sequence of at least any single integer from
19 6 to 776 amino acids of any one even SEQ ID NO. 2-16, 22-28, 32-52 or of a
20 polypeptide encoded by a human cDNA of a deposited clone,
- 21 g) a polynucleotide encoding a polypeptide sequence of a signal peptide of any one
22 even SEQ ID NO. 2-16, 22-28, 32-52 or of a signal peptide encoded by a human
23 cDNA of a deposited clone,
- 24 h) a polynucleotide encoding a polypeptide sequence of a mature polypeptide of any
25 one even SEQ ID NO. 2-16, 22-28, 32-52 or of a mature polypeptide encoded by a
26 human cDNA of a deposited clone,
- 27 i) a polynucleotide encoding a polypeptide sequence of a full length polypeptide of
28 any one even SEQ ID NO. 2-16, 22-28, 32-52 or of a mature polypeptide encoded
29 by a human cDNA of a deposited clone,
- 30 j) a polynucleotide encoding a polypeptide sequence of a biologically polypeptide of
31 any one even SEQ ID NO. 2-16, 22-28, 32-52, or of a biologically polypeptide
32 encoded by a human cDNA of a deposited clone,
- 33 k) a polynucleotide of any one of a) through j) further comprising an expression
34 vector,

- 35 l) a host cell recombinant for a polynucleotide of a) through k) above,
 36 m) a non-human transgenic animal comprising the host cell of k),
 37 n) a polynucleotide of a) through j) further comprising a physiologically acceptable
 38 carrier.

1 2. A polypeptide comprising an amino acid sequence selected from the group consisting of:

- 2 a) any single integer from 6 to 776 amino acids of any one even SEQ ID NO. 2-16, 22-
 3 28, 32-52 or of a polypeptide encoded by a human cDNA of a deposited clone;
 4 b) a signal peptide sequence of any one even SEQ ID NO. 2-16, 22-28, 32-52 or
 5 encoded by a human cDNA of a deposited clone;
 6 c) a mature polypeptide sequence of any one even SEQ ID NO. 2-16, 22-28, 32-52 or
 7 encoded by a human cDNA of a deposited clone;
 8 d) a full length polypeptide sequence of any one even SEQ ID NO. 2-16, 22-28, 32-52
 9 or encoded by a human cDNA of a deposited clone;
 10 e) a polypeptide of a) through d) further comprising a physiologically acceptable
 11 carrier.

1 3. A method of making a polypeptide, said method comprising

- 2 a) providing a population of host cells comprising the polynucleotide of claim 1;
 3 b) culturing said population of host cells under conditions conducive to the production
 4 of a polypeptide of claim 2 within said host cells; and
 5 c) purifying said polypeptide from said population of host cells.

1 4. A method of making a polypeptide, said method comprising:

- 2 a) providing a population of cells comprising a polynucleotide encoding the
 3 polypeptide of claim 2,¹ operably linked to a promoter;
 4 b) culturing said population of cells under conditions conducive to the production of
 5 said polypeptide within said cells; and
 6 c) purifying said polypeptide from said population of cells.

1 5. An antibody that specifically binds to the polypeptide of claim 2.

1 6. A method of binding a polypeptide of claim 2 to an antibody of claim 5, comprising
2 contacting said antibody with said polypeptide under conditions in which antibody can specifically
3 bind to said polypeptide.

1 7. A method of determining whether a GENSET gene is expressed within a mammal, said
2 method comprising the steps of:

- 3 a) providing a biological sample from said mammal
- 4 b) contacting said biological sample with either of:
 - 5 i) a polynucleotide that hybridizes under stringent conditions to the
 - 6 polynucleotide of claim 1; or
 - 7 ii) a polypeptide that specifically binds to the polypeptide of claim 2; and
- 8 c) detecting the presence or absence of hybridization between said polynucleotide and
- 9 an RNA species within said sample, or the presence or absence of binding of said
- 10 polypeptide to a protein within said sample;

11 wherein a detection of said hybridization or of said binding indicates that said GENSET gene is
12 expressed within said mammal.

1 8. The method of claim 7, wherein said polynucleotide is a primer, and wherein said
2 hybridization is detected by detecting the presence of an amplification product comprising the
3 sequence of said primer.

1 9. The method of claim 7, wherein said polypeptide is an antibody.

1 10. A method of determining whether a mammal has an elevated or reduced level of GENSET
2 gene expression, said method comprising the steps of:

- 3 a) providing a biological sample from said mammal; and
- 4 b) comparing the amount of the polypeptide of claim 2, or of an RNA species
- 5 encoding said polypeptide, within said biological sample with a level detected in or
- 6 expected from a control sample;

3 a) contacting the polypeptide of claim 2 with a test compound; and

5 wherein a detection that said compound specifically binds to said polypeptide indicates that said
6 compound is a candidate modulator of said GENSET polypeptide.

1 12. The method of claim 11, further comprising testing the biological activity of said GENSET
2 polypeptide in the presence of said candidate modulator, wherein an alteration in the biological
3 activity of said GENSET polypeptide in the presence of said compound in comparison to the activity
4 in the absence of said compound indicates that the compound is a modulator of said GENSET
5 polypeptide.

2 a) identifying a modulator of a GENSET polypeptide using the method of claim 11;
3 and

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